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Mineral Resources Data System (MRDS)

Report Title	carson city project-mrds		
Record Number	**M231598** Tuesday, March 20, 1990	11:51:17	*Record* 1 of 47
Record Type	X1N	*Info Source*	1
Report Date	**80 12**		
Reporter	**WONG, GEORGE (ROBERTS, RALPH)**		
Reporter Affiliation	**USGS**		
Update Date	**82 05**		
Updater	**LAPOINTE, D.D. (TINGLEY, J.V.)**		
Site Name	**SILICA MINE**		
	-- Location Information --		
District Name	**GABBS DISTRICT**		
Country	**UNITED STATES**	*Country Code*	**US**
State	**NEVADA**	*State Code*	**NV**
County	**NYE**		
Physiographic Prov	12 PARADISE RANGE		
Drainage Area	16060002 GABBS VALLEY		
Land Status	40		
Quadrangle	WALKER LAKE	*Scale*	250000
Quadrangle 2	MOUNT ANNIE SE (1979)	*Scale*	24000
UTM Northing	4295444	*UTM Easting*	412272
UTM Zone	+11	*Elevation*	4700 FT
Latitude	**38-48-19N**	*Decimal Lat*	**38.80527**
Longitude	**118-00-37W**	*Decimal Long*	**-118.01027**
Accuracy	UNKNOWN PRECISION		
Township	011N		
Section	23		
Range	035E		
Position	3 MILES EAST OF THE NYE-MINERAL COUNTY BORDER.		
Location Comments	UNSURVEYED TOWNSHIP AND RANGE		
	-- Commodity Information --		
Commodities	**REF**		
Major	**REF**		
Ore Materials	OPALINE SILICA		
Commod Subtypes	REFRACTORY SILICA		
	-- Exploration and Development --		
Production	**Small**	*Status*	**4**
Operator	BASIC, INC.		
	-- Deposit Description --		
Deposit Type	**SEDIMENTARY**		
Deposit Size	**Small**		

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-- Workings Description --

Desc Workings	**Surface**
Workings Comments	WORKINGS CONSIST OF AN OPEN PIT.

-- Geology --

Host Rock Age	**TERT**
Host Rock Type	**LACUSTRINE BIDS (WELL-LAYERED)**
Ore Control	NO INFORMATION
Geology Comm	THE BEDS ARE MILDLY WARPED, WELL-LAYERED, AND THIN BEDDED.
Reference	KLEINHAMPL, F.J. AND ZIONY, J.I., GEOLOGY AND MINERAL DEPOSITS OF NORTHERN NYE CO.: NEV. BUR. OF MINES AND GEOLOGY, BULLETIN, IN PRESS.
Prod Comments	UNKNOWN AMOUNT

Mineral Resources Data System (MRDS)

Report Title	carson city project-mrds		
Record Number	**M231648** Tuesday, March 20, 1990	11:53:30	*Record* 3 of 47

Record Type	X1N	*Info Source*	1
Report Date	**80 12**		
Reporter	**WONG, GEORGE (ROBERTS, RALPH)**		
Reporter Affiliation	**USGS**		
Update Date	**82 04**		
Updater	**LAPOINTE, D.D. (TINGLEY, J.V.)**		
Site Name	**HUNTLEY MINE**		

-- Location Information --

District Name	**LODI DISTRICT/MARBLE**		
Country	**UNITED STATES**	*Country Code*	**US**
State	**NEVADA**	*State Code*	**NV**
County	**NYE**		
Physiographic Prov	12 PARADISE RANGE		
Drainage Area	16060002 GABBS VALLEY		
Land Status	40		
Quadrangle	MILLETT	*Scale*	250000
Quadrangle 2	QUARTZ MTN. (1969)	*Scale*	24000
UTM Northing	4317907	*UTM Easting*	422590
UTM Zone	+11	*Elevation*	5720 FT
Latitude	**39-00-31N**	*Decimal Lat*	**39.00861**
Longitude	**117-53-39W**	*Decimal Long*	**-117.89416**
Accuracy	UNKNOWN PRECISION		
Position	4.5 MILES SE OF QUARTZ MTN.		
Location Comments	UNSURVEYED TOWNSHIP AND RANGE		

-- Commodity Information --

Commodities	**TLC**
Major	**TLC**
Ore Materials	LEUCHTENBERGITE, TALC

-- Exploration and Development --

Production	**Small**	*Status*	4
Discoverer	W.D. EDDS OF MINA		
Year of Discovery	1945		
Owner	W.H. HUNTLEY AND G. CRAWFORD OF BISHOP (1951)		

-- Deposit Description --

Deposit Type	**REPLACEMENT**
Deposit Size	**Small**

-- Workings Description --

Record Number	**M231648** *(....Continued)*
Desc Workings	**Surface**
Workings Comments	WORKINGS CONSIST OF A SHALLOW PIT.
	-- Geology --
Host Rock Age	**TERT**
Host Rock Type	**QUARTZ-FELDSPAR PORPHYRY**
Age Mineralization	**TERT**
Pertinent Minerals	CLINOCHLORE
Ore Control	LEUCHTENBERGITE WAS FOUND IN AN ALTERED ZONE NEAR THE MARGIN OF THE QUARTZ-FELDSPAR PORPHYRY BODY.
Alteration	INTENSE HYDROTHERMAL ALTERATION; CHLORITIZATION.
Reference	KLEINHAMPL, F.J. AND ZIONY, J.I., GEOLOGY AND MINERAL DEPOSITS OF NORTHERN NYE CO.: NEV. BUR. OF MINES AND GEOLOGY, BULLETIN, IN PRESS.
Prod Comments	SIX CARLOADS WERE SHIPPED IN 1949

Mineral Resources Data System (MRDS)

Report Title	carson city project-mrds			
Record Number	**M231746**	Tuesday, March 20, 1990	11:54:41	*Record* 4 of 47

Record Type	X1N	*Info Source*	1
Report Date	**81 01**		
Reporter	**WONG, GEORGE (ROBERTS, RALPH)**		
Reporter Affiliation	**USGS**		
Update Date	**82 05**		
Updater	**LAPOINTE, D.D. (TINGLEY, J.V.)**		
Site Name	**BLACK SPRING DIATOMITE**		
	-- Location Information --		
District Name	**REPUBLIC**		
Country	**UNITED STATES**	*Country Code*	**US**
State	**NEVADA**	*State Code*	**NV**
County	**NYE**		
Physiographic Prov	12 CEDAR MOUNTAIN		
Drainage Area	16060003 IONE VALLEY		
Land Status	40		
Quadrangle	TONOPAH	*Scale*	250000
Quadrangle 2	BLACK SPRING (1980)	*Scale*	24000
UTM Northing	4267531	*UTM Easting*	442979
UTM Zone	+11	*Elevation*	5540 FT
Latitude	**38-33-23N**	*Decimal Lat*	**38.55638**
Longitude	**117-39-16W**	*Decimal Long*	**-117.65444**
Accuracy	UNKNOWN PRECISION		
Township	008N		
Section	13		
Range	038E		
Meridian	MT. DIABLO		
Position	0.26 MILES SE OF BLACK SPRING		
	-- Commodity Information --		
Commodities	**DIT**		
Major	**DIT**		
Ore Materials	DIATOMITE		
	-- Exploration and Development --		
Production	**Small**	*Status*	4
	-- Deposit Description --		
Deposit Type	**SEDIMENTARY**		
Deposit Size	**Small**		
	-- Workings Description --		

Record Number	**M231746** *(....Continued)*
Workings Comments	SURFACE TRENCHING.
	-- Geology --
Host Rock Age	**M10-PL10**
Host Rock Type	**LACUSTRINE DEPOSITS**
General Comm	NO INFORMATION ON GEOLOGY.
Reference	KLEINHAMPL, F.J. AND ZIONY, J.I., GEOLOGY AND MINERAL DEPOSITS OF NORTHERN NYE CO.: NEV. BUR. OF MINES AND GEOLOGY, BULLETIN, IN PRESS.
Reference	OLSON, 1964, NBMG BULL 65, P.192-194.
Reference	KRAL, V.E., 1951, NBMG BULL 50, P. 47.
Reference	LINCOLN, F.C., 1923, P.161.
Prod Comments	3 CARLOADS OF DIATOMITE WERE SHIPPED IN THE 1920'S BY THE NATURE PRODUCTS COMPANY TO RENO AND USED IN TOOTH POWDER AND TOOTHPASTE

Mineral Resources Data System (MRDS)

Report Title	carson city project-mrds		
Record Number	**M232528** Tuesday, March 20, 1990	12:04:47	*Record* 11 of 47

Record Type	X1N	*Info Source*	1
Report Date	**81 02**		
Reporter	**ROYSE, SUE E.**		
Reporter Affiliation	**NBMG**		
Site Name	**LEWIS COAL MINE**		

-- Location Information --

District Name	**WASHINGTON DISTRICT**		
Country	**UNITED STATES**	*Country Code*	**US**
State	**NEVADA**	*State Code*	**NV**
County	**LYON**		
Physiographic Prov	12 BASIN AND RANGE		
Drainage Area	16		
Land Status	01		
Quadrangle	WALKER LAKE	*Scale*	250000
Quadrangle 2	MT. GRANT (1956)	*Scale*	62500
UTM Northing	4263530	*UTM Easting*	332750
UTM Zone	+11		
Latitude	**38-30-23N**	*Decimal Lat*	**38.50638**
Longitude	**118-55-05W**	*Decimal Long*	**-118.91805**
Accuracy	UNKNOWN PRECISION		
Township	08N		
Section	36		
Range	027E		
Meridian	MT. DIABLO		
Position	2.5 MI. SE OF LEWIS RANCH		

-- Commodity Information --

Commodities	**COA**
Non-Prod Main	**COA**
Ore Materials	SUB-BITUMINOUS OR LIGNITIC COAL
Analytical Data	15-40% FIXED C, 16-44% ASH, 3-5% S, 24-30° VOLATILES, 15-25% MOISTURE.

-- Exploration and Development --

Production	**No**	*Status*	**2**
Year of Discovery	PRE-1919	*Nature of Disc*	B
Owner	NEVADA COAL AND OIL COMPANY (1919)		
Operator	NEVADA COAL AND OIL COMPANY (1919)		
Expl/Devl Comments	1919-UNSUCCESSFUL DRILLING FOR PETROLEUM BY NEV. COAL AND OIL CO.		

-- Deposit Description --

Deposit Type	**SEDIMENTARY**

Record Number	**M232528**	*(....Continued)*	
Deposit Form	BLANKET		
Depth to Top	0	*Units*	FT
Maximum Thickness	ONE	*Units*	FT
Deposit Size	**Small**		
Strike	N15E	*Dip*	20W
Deposit Desc Comm	THIN-BEDDED LIGNITIC SHALE WITH THIN COALY LAYERS AND GYPSUM VEINLETS		
	-- Workings Description --		
Desc Workings	**Underground**		
Depth Below Surf	400	*Units*	FT
Length Workings	1600	*Units*	FT
Workings Comments	INCLINED SHAFT, 2 ADITS		
	-- Geology --		
Host Rock Age	**M10-PL10**		
Host Rock Type	**SHALE: COAL VALLEY FORMATION**		
Pertinent Minerals	GYPSUM		
Formation	COAL VALLEY FORMATION	*Age*	M10-PL10
Geology Comm	ON SURFACE SEAM LOOKS LIKE A THIN-BEDDED LIGNITIC SHALE WITH THIN COALY LAYERS AND NUMEROUS VEINLETS OF GYPSUM. IN DEEPER PARTS THE MATERIAL IMPROVES IN QUALITY AND CONSISTS OF LAYERS OF SHALE, "BONE", AND SUB-BITUMINOUS OR LIGNITIC COAL UP TO ONE FOOT THICK.		
General Comm	IN 1919 THE COAL BED WAS DEVELOPED BY THE NEVADA COAL AND OIL COMPANY WITH UNSUCCESSFUL DRILLING FOR PETROLEUM. MOST WORK ON PROPERTY IS CONFINED TO TWO SMALL AREAS LYING ABOUT 2,000 FT APART. NORTHERN WORKINGS CONSIST OF AN INCLINED SHAFT DRIVEN 400 FT. WESTWARD; TO THE SOUTH TWO ADITS, 700 & 900 FEET LONG WERE DRIVEN ALONG STRIKE OF THE SEAM.		
Reference	MOORE, 1969, GEOLOGY & MINERAL DEPOSITS OF LYON, DOUGLAS, & ORMSBY COUNTIES, NEVADA; NEVADA, NBMG BULL. 75		
Reference	STODDARD & CARPENTER, 1950, MINERAL RESOURCES OF STOREY & LYON COUNTIES, NEVADA; NBMG BULL. 49		

Mineral Resources Data System (MRDS)

Report Title	carson city project-mrds		
Record Number	**M232533** Tuesday, March 20, 1990	12:06:26	*Record* 12 of 47

Record Type	X1N	*Info Source*	1
Report Date	81 02		
Reporter	**ROYSE, SUE E.**		
Reporter Affiliation	**NBMG**		
Site Name	**MOUND HOUSE MINE**		
	-- Location Information --		
District Name	**MOUNG HOUSE DISTRICT**		
Country	**UNITED STATES**	*Country Code*	**US**
State	**NEVADA**	*State Code*	**NV**
County	**LYON**		
Physiographic Prov	12 BASIN AND RANGE		
Drainage Area	16		
Land Status	01		
Quadrangle 2	DAYTON (1956)	*Scale*	62500
UTM Northing	4345350	*UTM Easting*	267650
UTM Zone	+11		
Latitude	**39-13-42N**	*Decimal Lat*	**39.22833**
Longitude	**119-41-30W**	*Decimal Long*	**-119.69166**
Accuracy	UNKNOWN PRECISION		
Township	016N		
Section	25 24		
Range	020E		
Meridian	MT. DIABLO		
Position	6 MI. NE OF CARSON CITY; 1 MI. W OF HOUSE HOUSE		
Location Comments	NW 1/4 SEC 25, SW 1/4 SEC 24		
	-- Commodity Information --		
Commodities	**GYP**		
Major	**GYP**		
Ore Materials	GYPSUM, GYPSITE, ANHYDRITE		
	-- Exploration and Development --		
Production	**Small**	*Status*	**6**
Year of Discovery	PRE-1914		
Year 1st Production	1914		
	-- Deposit Description --		
Deposit Type	**SEDIMENTARY**		
Deposit Form	BLANKET, BEDDED, LENS.		
Maximum Length	3000	*Units*	FT
Maximum Width	1500	*Units*	FT

Record Number **M232533** *(....Continued)*

Maximum Thickness 300 *Units* FT
Deposit Size **Small**

-- Workings Description --

Desc Workings **Surface**
Units FT
Workings Comments OPEN PITS, QUARRIES

-- Geology --

Host Rock Age **TRI-JUR**
Host Rock Type **META-IGNEOUS ROCK**
Igneous Rock Age **CRET**
Ignneous Rock Type **GRANODIORITE**
Ore Control FAULT BLOCK
Local Structure VERTICAL FAULT
Geology Comm AT MOUND HOUSE LIMESTONES, GYPSUM, SHALES, & META-ANDESITES HAVE BEEN INTRUDED AND SOMEWHAT METAMORPHOSED BY GRANODIORITE. LIMESTONE AND GYPSUM OCCURS IN A FAULT BLOCK ABOUT 3,000 FEET LONG & 1500 FEET WIDE. A THICK LENS OR BED OF GYPSUM DIPS STEEPLY EAST AND IS INTERBEDDED WITH LIMESTONE. IT IS ABOUT 300 FEET WIDE AT THE SOUTH END AND THINS TO ONLY A FEW FEET 700 FEET NORTH OF THE END. AT THE SOUTH THE GYPSUM IS CUT OFF BY GRANODIORITE, ON THE EAST A NEARLY VERTICAL FAULT BRINGS THE GYPSUM IN CONTACT WITH META-ANDESITE, AND ON THE WEST THE GYPSUM LIES ON LIMESTONE INTO WHICH THERE IS MORE OR LESS GRADATION. THE GYPSUM GRADES TO ANHYDRITE ABOUT 300 FEET BELOW THE SURFACE. GYPSITE DEPOSITS TO THE EAST WERE DERIVED FROM EROSION OF THE OLDER GYPSUM.
General Comm MINED BY SEVERAL LARGE OPEN PITS OR QUARRIES, THE LARGEST ABOUT 100 FEET DEEP. BETWEEN 1914 & 1920 IT PRODUCED AN UNRECORDED TONNAGE OF GYPSUM WORTH $451,952; AND A SMALL AMOUNT IN 1965. GYPSITE WAS ALSO REMOVED IN LATER MINING
Reference MOORE, 1969, GEOLOGY AND MINERAL DEPOSITS OF LYON, DOUGLAS & ORMSBY COUNTIES, NEVADA; NBMG BULL. 75
Reference JONES, 1920, GYPSUM DEPOSITS OF THE UNITED STATES; USGS BULL. 697, P. 151-53
Reference LINCOLN, 1923, MINING DISTRICTS & MINERAL RESOURCES OF NEVADA; NEVADA NEWSLETTER PUBLISHING CO.
Reference SCHRYVER, 1961, GEOLOGY OF THE MOUND HOUSE AREA, ORMSBY & LYON COUNTIES, NEVADA; M.S. THESES, UNR

-- Cumulative Production --

Item	Acc	Amount	Units	Years	Grade
GYP	ACC	451,982	DOLLAR	1914-1920	

Prod Comments A SMALL AMOUNT IN 1965

Mineral Resources Data System (MRDS)

Report Title	carson city project-mrds			
Record Number	**M233060**	Tuesday, March 20, 1990	12:08:07	*Record* 13 of 47

Record Type	X1N	*Info Source*	1
Report Date	**81 07**		
Reporter	**LA POINTE, D.D.**		
Reporter Affiliation	**NBMG**		
Site Name	**BUILDING STONE QUARRY**		
Synonym Name	EASTGATE STONE		

-- Location Information --

District Name	**EASTGATE DISTRICT**		
Country	**UNITED STATES**	*Country Code*	**US**
State	**NEVADA**	*State Code*	**NV**
County	**CHURCHILL**		
Physiographic Prov	12		
Drainage Area	16		
Land Status	49 (1972)		
Quadrangle	MILLETT	*Scale*	250000
Quadrangle 2	EASTGATE (1969)	*Scale*	24000
UTM Northing	4351630	*UTM Easting*	419600
UTM Zone	+11	*Elevation*	4950 FT
Latitude	**39-18-44N**	*Decimal Lat*	**39.31222**
Longitude	**117-55-57W**	*Decimal Long*	**-117.9325**
Township	017N;		
Section	28;		
Range	036E;		
Sectional Fraction	NE OF 28		
Meridian	MOUNT DIABLO		
Position	3 MILES WEST AND SLIGHTLY NORTH OF EASTGATE.		
Location Comments	LOCATED AT NORTHERN END OF ZEULITE DEPOSIT CLAIMS.		

-- Commodity Information --

Commodities	**STN2**
Major	**STNZ**
Ore Materials	VOLCANIC TUFF BUILDING STORE

-- Exploration and Development --

Production	**Yes**	*Status*	**4**
Year of Discovery	1860'S		
Year 1st Production	1860'S		
Owner	MRS. LUCILLE DOWNING OF VINCENNES, IND., REPUTED OWNER IN 1940.		
Expl/Devl Comments	MATERIAL WAS FIRST QUARRIED IN THE 1860'S TO SUPPLY BUILDING STONE FOR ALPINE $. EASTGATE, AND LATER FOR FALLON.		

Record Number	M233060 (....Continued)		
	-- Deposit Description --		
Deposit Type	**BEDDED**		
Deposit Form	BLANKET		
Depth to Top	0	*Units*	FT
Maximum Length	100	*Units*	FT
Maximum Thickness	8	*Units*	FT
Deposit Size	**Small**		
Deposit Desc Comm	SILICEOUS TUFF, UNIFORM GRAIN SIZE, WHITE, WEATHERING DULL-GRAY		
	-- Workings Description --		
Desc Workings	**Surface**		
Depth Below Surf	8	*Units*	FT
Length Workings	100	*Units*	FT
Workings Comments	QUARRY		
	-- Geology --		
Host Rock Age	**TERT**		
Host Rock Type	**VOLCANIC TUFF**		
Igneous Rock Age	**TERT**		
Igneous Rock Type	**VOLCANIC TUFF**		
Reference	WILLDEN, R., AND SPEED, R.C., 1974, GEOLOGY AND MINERAL DEPOSITS OF CHURCHILL CO., NV; NBMG. BULL. 7093		
Reference	VANDERBURG, W.O., 1940, RECONNAISSANCE OF MINING DISTRICTS IN CHURCHILL CO., NV.; U.S.B.M.I.C. 7093.		
Reference	MILS, 1979, USBM		

Mineral Resources Data System (MRDS)

Report Title	carson city project-mrds			
Record Number	**M233071**	Tuesday, March 20, 1990	12:09:37	*Record* 14 of 47

Record Type	X1N	*Info Source*	1
Report Date	**81 07**		
Reporter	**LA POINTE, D. D.**		
Reporter Affiliation	**N.B.M.G.**		
Site Name	**UNNAMED FLUORITE PROSPECT**		
	-- Location Information --		
District Name	**MOUNTAN WELLS (LA PLATA) DISTRICT**		
Country	**UNITED STATES**	*Country Code*	**US**
State	**NEVADA**	*State Code*	**NV**
County	**CHURCHILL**		
Physiographic Prov	12		
Drainage Area	16		
Land Status	49 (1972)		
Quadrangle 2	LA PLATA CANYON (1972)	*Scale*	24000
UTM Northing	4364140	*UTM Easting*	387920
UTM Zone	+11		
Latitude	**39-25-17N**	*Decimal Lat*	**39.42138**
Longitude	**118-18-07W**	*Decimal Long*	**-118.30194**
Township	018N;		
Section	(UNSURVEYED);		
Range	033E;		
Meridian	MOUNT DIABLO		
Location Comments	2400 FT. WEST OF THE LA PLATA PROSPECT		
	-- Commodity Information --		
Commodities	**F**		
Non-Prod Main	**F**		
Ore Materials	FLUORITE		
	-- Exploration and Development --		
Production	**No**	*Status*	**2**
	-- Deposit Description --		
Deposit Type	**CONTACT METAMORPHIC/REPLACEMENT/VEIN**		
Maximum Thickness	1	*Units*	FT.
Deposit Size	**Small**		
		Dip	40S
Deposit Desc Comm	A 1/2-TO 1-FT. THICK VEIN OF FLUORSPAR IS PRESENT IN SEDIMENTARY ROCKS NEAR QUARTZ MONZONITE CONTACT. FOOTWALL IS HORNFELS; HANGING WALL IS PHYLLITE		
	-- Workings Description --		

Record Number	**M233071** *(....Continued)*
Desc Workings	**Surface and Underground**
Workings Comments	SKORT ADIT
	-- Geology --
Host Rock Age	**LTRI**
Host Rock Type	**HORNFELS, PHYLLITE**
Igneous Rock Age	**CRET-TERT**
Igneous Rock Type	**QUARTZ MONZONITE**
Age Mineralization	**CRET-TERT**
Ore Control	IGNEOUS CONTACT
Reference	PAPKE, K.G., 1979, FLUORSPAR IN NEVADA; N.B.M.G. BULL. 93.

Mineral Resources Data System (MRDS)

Report Title	carson city project-mrds			
Record Number	**M233072**	Tuesday, March 20, 1990	12:11:03	*Record* 15 of 47

Record Type	X1N	*Info Source*	1
Report Date	**81 07**		
Reporter	**LA POINTE, D. D.**		
Reporter Affiliation	**NBMG**		
Site Name	**LA PLATA PROSPECT**		
Synonym Name	PART OF THE CHARLIE GROUP; BLACK HILLS; MICHIGAN		

-- Location Information --

District Name	**MOUNTAIN WELLS (LA PLATA) DISTRICT**		
Country	**UNITED STATES**	*Country Code*	**US**
State	**NEVADA**	*State Code*	**NV**
County	**CHURCHILL**		
Physiographic Prov	12		
Drainage Area	16		
Land Status	49 (1972)		
Quadrangle 2	LA PLATA CANYON (1972)	*Scale*	24000
UTM Northing	4364200	*UTM Easting*	388650
UTM Zone	+11		
Latitude	**39-25-19N**	*Decimal Lat*	**39.42194**
Longitude	**118-17-37W**	*Decimal Long*	**-118.29361**
Township	018N;		
Section	16;		
Range	033E;		
Sectional Fraction	W2,16		
Meridian	MOUNT DIABLO		
Position	1.3 MILES SE OF DIXIE MINE (UNSURVEYED AREA)		
Location Comments	(POSSIBLY IN SEC.27, +18N,R32E-REFERENCES CONFLICT). 11.6 MILES BY ROAD NORTH OFTHE INTERSECTION OF U.S. HIGHWAY 50 AND STATE HIGHWAY 31, AND JUST EAST OF THE ROAD TO LA PLATA.		

-- Commodity Information --

Commodities	**F**
Non-Prod Main	**F**
Ore Materials	FLUORITE

-- Exploration and Development --

Production	**No**	*Status*	**2**
Discoverer	MARK HARRIS AND FRED T. PINE		
Year of Discovery	1939		
Expl/Devl Comments	MICHIGAN CLAIM IS FIRST KNOWN MINING LOCATION IN THE VICINITY. SEVERAL CLAIMS OFTHE BLACK HILLS GROUP WERE LOCATED IN 1952 BY PAUL AND CHARLES CIRAC, AND SOME EXPLORATION WAS DONE AT THAT TIME. IN MAY, 1975, THE CLAIMS WERE PART OF A GROUP RELOCATED BY CHARLES S. JACOBS AS THE CHARLIE GROUP. SEVERAL TRENCHES OVER A 300-FT. DISTANCE.		

-- Deposit Description --

Deposit Type **REPLACEMENT/CONTACT METAMORPHIC**
Deposit Form IRREGULAR
Deposit Size **Small**
Deposit Desc Comm FLUORITE-RICH ZONES ABOUT AN INCH WIDE OCCUR ALONG CONTACTS OF DIKES OR SILLS, AND FLUORITE IS PRESENT LOCALLY AS SMALL MASSES AND VEINLETS IN THE ADJACENT ROCKS

-- Workings Description --

Desc Workings **Surface**
Length Workings 300 *Units* FT
Workings Comments SEVERAL TRENCHES OVER A 300-FT DISTANCE EXPLORE IGNEOUS CONTACTS

-- Geology --

Host Rock Age **LTR1**
Host Rock Type **DARK GREY, LOCALLY CALCAREOUS PHYLLITE; LIMESTONE; HORNFELS, CALCIC DOLOMITE**
Igneous Rock Age **CRET-TERT**
Ignneous Rock Type **LEUCOCRATIC, MEDIUM-GRAINED, EQUIGRANULAR QUARTZ MONZONITE**
Age Mineralization **TERT**
Ore Control IGNEOUS CONTACT
Reference PAPKE, K.G., 1979, FLUORSPAR IN NEVADA; NBMG BULL 93.

Mineral Resources Data System (MRDS)

Report Title	carson city project-mrds			
Record Number	**M233076**	Tuesday, March 20, 1990	12:12:39	*Record* 16 of 47

Record Type	X1N	*Info Source*	1
Report Date	**81 07**		
Reporter	**LA POINTE, D. D.**		
Reporter Affiliation	**NBMG**		
Site Name	**MERKT PROSPECT**		
Synonym Name	FLUORINE GROUP		

-- Location Information --

District Name	**WESTGATE DISTRICCT**		
Country	**UNITED STATES**	*Country Code*	**US**
State	**NEVADA**	*State Code*	**NV**
County	**CHURCHILL**		
Physiographic Prov	12		
Drainage Area	16		
Land Status	49 (1972)		
Quadrangle 2	WESTGATE (1972)	*Scale*	24000
UTM Northing	4349200	*UTM Easting*	408200
UTM Zone	+11	*Elevation*	4540 FT
Latitude	**39-17-21N**	*Decimal Lat*	**39.28916**
Longitude	**118-03-52W**	*Decimal Long*	**-118.06444**
Accuracy	TO MAIN PROSPECT PIT		
Township	017N;		
Section	32;		
Range	035E;		
Sectional Fraction	S2,32		
Meridian	MOUNT DIABLO		
Position	700 FT SOUTH OF U.S. HIGHWAY 50.		
Location Comments	IN HILLS JUST SOUTH OF WESTGATE		

-- Commodity Information --

Commodities	**F**
Non-Prod Main	**F**
Ore Materials	FLUORITE
Commod Comments	FLUORITE IS GRAYISH-YELLOW WITH APINK OR PURPLE CAST LOCALLY, AND OCCURS IN VUGGY TO MASSIVE FINE-GRAINED AGGREGATES

-- Exploration and Development --

		Status	2
Discoverer	EARL G. AND CLYDE E. MERKT		
Year of Discovery	1953	*Nature of Disc*	B
Owner	EARL G. AND CLYDE E. MERKT, (1953)		
Expl/Devl Comments	AREA WAS APPARENTLY PROSPECTED FOR PRECIOUS METALS, BUT THE ONLY CLAIMS LOCATED WERE		

FOR FLUORSPAR. LITTLE WORK WAS DONE AND NO ORE WAS APPARENTLY SHIPPED.

-- Deposit Description --

Deposit Type	**VEIN/LODE/FAULT ZONE**		
Deposit Form	PODS		
Maximum Width	4	*Units*	FT
Deposit Size	**Small**		
Strike	N35W	*Dip*	85E
Deposit Desc Comm	FLUORSPAR OCCURRED AS PODS IN THE FOOTWALL PORTION OF THE FAULT AND PROBABLY ALSO IN THE DOLOMITE THE FOOTWALL IS DOLOMITE; THE HANGING WALL IS SILTSTONE.		

-- Workings Description --

Desc Workings	**Surface**		
Depth Below Surf	6	*Units*	FT
Length Workings	40	*Units*	FT
Workings Comments	40-FT. LONG FACE UP TO 8 FT. HIGH WITH A 6-FT DEEP PIT AT THE BOTTOM OF THE FACE		

-- Geology --

Host Rock Age	**LTRI**
Host Rock Type	**MEDIUM-TO-LIGHT GRAY SILICIFIED DOLOMITE; DARK GREY SILICIFIED SILTSTONE**
Ore Control	4-FT. WIDE FAULT ZONE
Alteration	SILICIFICATION
Reference	PAPKE, K.G., 1979, FLUORSPAR IN NEVADA: NBMG BULL. 93.

Mineral Resources Data System (MRDS)

Report Title	carson city project-mrds		
Record Number	**M233110** Tuesday, March 20, 1990	12:14:23	*Record* 17 of 47

Record Type	X1N	*Info Source*	1
Report Date	**81 07**		
Reporter	**LA POINTE, D. D.**		
Reporter Affiliation	**NBMG**		
Site Name	**REVENUE(GROUP) MINE**		
Synonym Name	CIRAC MINE, COX'S CANYOH MINE, KENT FLUORSPAR MINE		

-- Location Information --

District Name	**COX CANYON DISTRICT (SILVER HILL DI**		
Country	**UNITED STATES**	*Country Code*	**US**
State	**NEVADA**	*State Code*	**NV**
County	**CHURCHILL**		
Physiographic Prov	12		
Drainage Area	16		
Land Status	49 (1972)		
Quadrangle 2	COX CANYON (1969)	*Scale*	24000
UTM Northing	4394840	*UTM Easting*	391260
UTM Zone	+11		
Latitude	**39-41-54N**	*Decimal Lat*	**39.69833**
Longitude	**118-16-06W**	*Decimal Long*	**-118.26833**
Accuracy	TO LOWEST ADIT OF WORKINGS		
Township	021N;		
Section	09;		
Range	033E;		
Sectional Fraction	SE OF 9		
Meridian	MOUNT DIABLO		
Location Comments	ON NORTH SIDE OF COX CANYON.		

-- Commodity Information --

Commodities	**F**
Major	**F**
Ore Materials	FLUORSPAR (FLUORITE)
Commod Subtypes	1952-1957,1106 TONS FLUORITE PRODUCED ABOUT 580 TONS ACID-GRADE CONCENTRATE AT THE KAISER MILL AT FALLON
Analytical Data	5 USBM SAMPLES CONTAINED 58 TO 89% CAF2(1943). 2 OTHERS SAMPLES CONTAINED 46 AND58.5% CAF2 OVER A 3 1/2-FT. WIDTH

-- Exploration and Development --

Production	**Small**	*Status*	**7**
Discoverer	THE CIRAC BROS.		
Year of Discovery	1938		
Owner	CIRAC BROS. (1939); FRANK E. WALTERS & ASSOCS. (1979)		

Record Number **M233110** *(....Continued)*

Expl/Devl Comments 45 TONS SHIPPED IN 1942; RECORDED PRODUCTION 1952-1957 WAS 1106 TONS. TOTAL PRODUCTION-ABOUT 1900 TONS. NSOF (AS OF 1978)

-- Deposit Description --

Deposit Type **VEIN/DIXE**
Deposit Form TABULAR
Maximum Width 5 *Units* FT
Deposit Size **Small**
Deposit Desc Comm IN PLACES, FLUORITE UP TO 5 FEET WIDE OCCURS ALONG BOTH SIDES OF A MAFIC DIKE.

-- Workings Description --

Desc Workings **Surface and Underground**
Workings Comments 430-FT. ADIT, SEVERAL TRENCHES, INCLINED SHAFT, STOPE

-- Geology --

Host Rock Age **LTR1 PAL**
Host Rock Type **SHALE; LIMESTONE(MAFIC DIKE?)**
Ore Control CONTACT ZONE OF MAFIC DIKE(?) FAULT, TRENDING NNE, DIPPING 4L DEG-56 DEG W
Regional Trends COX CANYON THRUST ZONE; INTRICATE FOLDING, COMMONLY OVERTURNED
Local Structure FAULT
Alteration SILICIFICATION; SERICITIZATION
Formation KAIPATO FORMATION *Age* L TRI
Geology Comm LOCALLY, THE HANGING WALL IS PRE-MINERAL, BUT UNMINERALIZED BRECCIA
General Comm FLUORSPAR IS TYPICALLY LT. GREENISH-GRAY TO V. LT. GRAY; FINE TO MEDGRAINED
Reference VANDERBURG, W.O., 194/, RECONNAISSANCE OF MINING DISTRICT OF CHURCHILL COUNTY, NEVADA: U.S.B.M. I.C. 7093.
Reference PAPKE, K.G., 1979, FLUORSPAR IN NEVADA: NBMG. BULL.93.
Reference PAGE, B.M., 1965, PRELIM. GEOL. MAP OF PART OF THE STILLWATER RANGE; NBM MAP 28

-- Cumulative Production --

Item	Acc	Amount	Units	Years	Grade
ORE F	ACC	0.83000	TONS		73%

Prod Comments 830 TONS OF 75% CAF2 SHIPPED TO KAISER MILL, FALLON, AS WELL AS ADDITIONAL ORE SHIPPED PRIOR TO 1951.

Mineral Resources Data System (MRDS)

Report Title	carson city project-mrds			
Record Number	**M233113**	Tuesday, March 20, 1990	12:16:14	*Record* 18 of 47

Record Type	X1N	*Info Source*	1
Report Date	**81 07**		
Reporter	**LA POINTE, D. D.**		
Reporter Affiliation	**NBMG**		
Site Name	**DIXIE MARSH**		
	-- Location Information --		
District Name	**DIXIE VALLEY DISTRICT**		
Country	**UNITED STATES**	*Country Code*	**US**
State	**NEVADA**	*State Code*	**NV**
County	**CHURCHILL**		
Physiographic Prov	12		
Drainage Area	16		
Land Status	49 (1972)		
Quadrangle	MILLETT	*Scale*	250000
Quadrangle 2	HUMBOLDT SALT MARSH (1966)	*Scale*	62500
UTM Northing	4409500	*UTM Easting*	417500
UTM Zone	+11	*Elevation*	3392 FT
Latitude	**39-50-00N**	*Decimal Lat*	**39.83333**
Longitude	**117-57-51W**	*Decimal Long*	**-117.96416**
Accuracy	LARGE AREA OF MARSH, ENCOMPASSED BY MANY UTM BLOCKS. UTM GIVEN IS TO CENTER OF LARGE AREA, I 2000M.		
Township	023N;		
Section	01,19,20,29,30,31,32;		
Range	036E;		
Meridian	MOUNT DIABLO		
Position	40 MILES NORTH OF FRENCHMAN		
	-- Commodity Information --		
Commodities	**HAL K**		
Major	**HAL**		
		Occurring	**K**
Ore Materials	HALITE, POTASH		
Analytical Data	ANALYSIS GIVEN BY HAGUE & EMMONS, (1877) IS 96.49% NA C1,1.91% NAZSO4, 096% NA2C03, 0.52% # 20		
	-- Exploration and Development --		
Production	**Small**	*Status*	**4**
Discoverer	JOHN & WILLIAM GUTHRIE OF WINNEMUCCA, NEV., AND ASSOC., (FIRST TO DEVELOP THE DEPOSITS)		
Year of Discovery	ABOUT 1861		
Year 1st Production	ABOUT 1861		
Expl/Devl Comments	A LARGE AMOUNT OF SALT WAS PRODUCED FROM THE MARSH BETWEEN 1861 & 1868, AND SHIPPED TO SILVER-ORE MILLS IN VIRGINIA CITY AND ELSEWHERE. THIS WOULD HAVE BEEN THEEARLIEST		

COMMERCIAL SOURCE OF SALT AIN NEVADA. THE RAILROAD VALLEY CO., SEARCHING FOR POTASH, DRILLED 3 HOLES IN THE MARSH IN 1912. IN 1917, FALLON GROUP FORMEDTHE NEVADA POTASH SYNDDICATE IN AN ATTEMPT TO EXTRACT POTASH FROM THE BRINES, BUT THE VENTURE PROVED UNSUCCESSFUL.

-- Deposit Description --

Deposit Type	**EVAPORITE CONCENTRATION**		
Deposit Form	BLANKET, CRUST		
Depth to Top	0	*Units*	FT
Depth Bottom	1	*Units*	FT
Maximum Thickness	ABOUT 1	*Units*	FT
Deposit Size	**Small**		
Deposit Desc Comm	NACL FORMS A THICKCRUST IN A CENTRAL AREA OF ABOUT 9 SQUARE MILES		

-- Workings Description --

Desc Workings	**Surface**
Workings Comments	SURFACE WORKINGS; 3 DRILL HOLES

-- Geology --

Host Rock Age	**QUAT**
Host Rock Type	**ALLUVIUM**
Reference	MILS, 1979, USBM
Reference	PAPKE, K.G., 976), EVAPORITES AND BRINES IN NEVADA PLAYAS: N.B.M.G. BULL 87
Reference	LINCOLN, F.C., 1923, MINING DISTRICTS AND MINERAL RESOURCES OF NEVADA: NEV. NEWSLETTER PUB. CO., RENO, NV.
Reference	VANDERBURG, W.O., 1940, RECONNAISSANCE OF MINING DISTRICTS IN CHURCHILL CO., NV;U.S. B.M. I.C. 7093.
Prod Source Info	PAPKE, K.G., 1976

Mineral Resources Data System (MRDS)

Report Title	carson city project-mrds			
Record Number	**M233114**	Tuesday, March 20, 1990	12:18:33	*Record* 19 of 47

Record Type	X1N	*Info Source*	1
Report Date	**81 07**		
Reporter	**LA POINTE, D. D.**		
Reporter Affiliation	**NBMG**		
Site Name	**DIXIE MARSH BORAX**		
	-- Location Information --		
District Name	**DIXIE VALLEY DISTRICT**		
Country	**UNITED STATES**	*Country Code*	**US**
State	**NEVADA**	*State Code*	**NV**
County	**CHURCHILL**		
Physiographic Prov	12		
Drainage Area	16		
Land Status	49 (1972)		
Quadrangle	MILLETT	*Scale*	250000
UTM Northing	4408000	*UTM Easting*	417000
UTM Zone	+11	*Elevation*	3370 FT
Latitude	**39-49-11N**	*Decimal Lat*	**39.81972**
Longitude	**117-58-11W**	*Decimal Long*	**-117.96972**
Accuracy	I1000M; LARGE AREA OF SALT		
Township	023N;		
Section	31;		
Range	036E;		
Meridian	MOUNT DIABLO		
Position	40 MILES NORTH OF FRENCHMAN		
	-- Commodity Information --		
Commodities	**B**		
Major	**B**		
Ore Materials	, ULEXITE		
	-- Exploration and Development --		
Production	**Small**	*Status*	**4**
Year of Discovery	EARLY 1870'S	*Nature of Disc*	B
Year 1st Production	EARLY 1870'S		
Operator	R. NIESCHWANDER		
Expl/Devl Comments	LINCOLN (1923) REPORTS TEN CARS OF BORAX WERE SHIPPED FROM THE NORTHERN END OF DIXIE MARSH, BY R. NIESCHWANDER, PROBABLY IN THE EARLY 1870'S.		
	-- Deposit Description --		
Deposit Type	**EVAPORITE**		
Deposit Form	BLANKET		

Deposit Size **Small**

-- Workings Description --

Desc Workings **Surface**

-- Geology --

Host Rock Age **QUAT**

Host Rock Type **ALLUVIUM**

Reference MILS, 1979, USBM

Reference PAPKE, K.G., 1976, EVAPORITES AND BRINES IN NEVADA PLAYAS; NBMG BULL 87.

Reference LINCOLN, F.C., 1923, MINING DISTRICTS AND MINERAL RESOURCES OF NEVADA: NEV. NEWSLETER PUB. CO., RENO, NV.

Reference VANDERBURG, W.O., 1940, RECONNAISSANCE OF MINING DISTRICTS IN CHURCHILL CO., NV.: U.S.B.M. I-C. 7093

-- Cumulative Production --

Item	Acc	Amount	Units	Years	Grade
B	EST	0.01000	CARS	EARLY 187	

Prod Source Info VANDERBURG, W.O., 1940.

Mineral Resources Data System (MRDS)

Report Title	carson city project-mrds		
Record Number	**M233116** Tuesday, March 20, 1990	12:20:05	*Record* 20 of 47

Record Type	X1N	*Info Source*	1
Report Date	**81 07**		
Reporter	**LA POINTE, D. D.**		
Reporter Affiliation	**NBMG**		
Site Name	**LITTLE JIM PROSPECT**		

-- Location Information --

District Name	**WONDER DISTRICT**		
Country	**UNITED STATES**	*Country Code*	**US**
State	**NEVADA**	*State Code*	**NV**
County	**CHURCHILL**		
Physiographic Prov	12		
Drainage Area	16		
Land Status	49 (1972)		
Quadrangle 2	WONDER MTN (1972)	*Scale*	24000
UTM Northing	4368875	*UTM Easting*	405900
UTM Zone	+11	*Elevation*	5250 FT
Latitude	**39-27-58N**	*Decimal Lat*	**39.46611**
Longitude	**118-05-38W**	*Decimal Long*	**-118.09388**
Accuracy	TO PROSPECT PIT-WITHIN #100M DF PROSPECT		
Township	019N;		
Section	31		
Range	035E;		
Sectional Fraction	SW OF NW OF SW OF 31		
Meridian	MOUNT DIABLO		
Location Comments	IN WESTERN PART OF CLAN ALPINE MOUNTAINS, ON A RIDGE SEVERAL HUNDRED FEET WEST OF THE ROAD.		

-- Commodity Information --

Commodities	**F**
Non-Prod Main	**F**
Ore Materials	FLUORITE

-- Exploration and Development --

Production	**No**	*Status*	**2**
Discoverer	ROY DURBIN; M.L. PLUMMER; C.P. MCCUSKEY-(LOCATED THE CLAIM)		
Year of Discovery	1952		

-- Deposit Description --

Deposit Type	**VEIN**		
Deposit Form	TABULAR		
Maximum Width	ONE	*Units*	FOOT

Record Number	M233116	(....Continued)	
Deposit Size	Small		
Strike	N40W	Dip	70SW
Deposit Desc Comm	VEIN MATERIAL CONSISTS OF VERY-LT. GREY FLUORITE, OCCURRING IN SLIGHTLY VUGGY AGGREGATES OF CRYSTALS, MOSTLY OF MEDIUM SIZE, AND SOME ALTERED COUNTRY ROCK.		
	-- Workings Description --		
Desc Workings	Surface and Underground		
Length Workings	36	Units	FT
Workings Comments	SHAFTS, PITS; 36-FT. LONG TRENCH		
	-- Geology --		
Host Rock Age	M10		
Host Rock Type	MED-GREY DACITE PORPHYRY FLOW		
Igneous Rock Age	M10		
Alteration	ARGILLIZATION AND IRON-STAINING OF THE COUNTRY ROCK FOR SEVERAL FEET OUTWARD FROM THE VEIN.		
Reference	PAPKE, K.G., 1979, FLUORSPAR IN NEVADA; N.B.M.G. BULL. 93. P. 17.		

Mineral Resources Data System (MRDS)

Report Title	carson city project-mrds			
Record Number	**M233117**	Tuesday, March 20, 1990	12:21:56	*Record* 21 of 47

Record Type	X1N	*Info Source*	1
Report Date	**81 07**		
Reporter	**LA POINTE, D.D.**		
Reporter Affiliation	**NBMG**		
Site Name	**PURPLE SPAR PROSPECT**		
Synonym Name	CYCLONE GROUP		

-- Location Information --

District Name	**WONDER DISTRICT**		
Country	**UNITED STATES**	*Country Code*	**US**
State	**NEVADA**	*State Code*	**NV**
County	**CHURCHILL**		
Physiographic Prov	12		
Drainage Area	16		
Land Status	49 (1972)		
Quadrangle	WONDER MOUNTAIN (1972)	*Scale*	24000
Quadrangle 2	DIXIE VALLEY, SE (1972)	*Scale*	24000
UTM Northing	4372560	*UTM Easting*	406570
UTM Zone	+11	*Elevation*	4400 FT
Latitude	**39-29-58N**	*Decimal Lat*	**39.49944**
Longitude	**118-05-12W**	*Decimal Long*	**-118.08666**
Township	019N;		
Section	19		
Range	035E;		
Sectional Fraction	NW OF 19		
Meridian	MOUNT DIABLO		
Location Comments	ON WEST SIDE OF CLAN ALPINE MTS., AT S. END OF A SPUR CALLED LOUDER BACK MTS., 20.5 MILES BY ROAD NORTH OF THE JUNCTION OF U.S. HGWY. 50 AND THE DIXIE VALLEY ROAD. TO LOWER ADIT OF SEVERAL WORKINGS SHOWN ON TOPO SHEET.		

-- Commodity Information --

Commodities	**F**
Non-Prod Main	**F**
Ore Materials	FLUORITE
Commod Comments	PALE PURPLE TO V.L.T. GRAY FINE-GRAINED FLUORITE

-- Exploration and Development --

Production	**No**	*Status*	**2**
Discoverer	V.S. BAXTER(LOCATED LODE CLAIM)		
Year of Discovery	1944		
Owner	ORIGINAL KLONDYKE DIVIDE MINING CO. (1972)		
Operator	ORIGINLA KLONDYKE DIVIDE MINING CO.(1972)		

Record Number	M233117 (....Continued)		
Expl/Devl Comments	BAXTER HELD THE CLAIM UNTIL 1955; IN 1972, ORIGINAL KLONDYKE DIVIDE MINING CO. WAS DOING SOME EXPLORATION WORK.		
	-- Deposit Description --		
Deposit Type	**LODE/VEINS**		
Deposit Form	TABULAR		
Maximum Width	2.5	Units	FT
Deposit Size	**Small**		
Strike	S70E	Dip	NEAR VERTICAL
Deposit Desc Comm	FLUORITE OCCURS IN SMALL IRREGULARLY-DISTRIBUTED MASSES, MAKING UP ABOUT 1/3 OF THE VEIN MATERIAL		
	-- Workings Description --		
Desc Workings	**Surface and Underground**		
Workings Comments	30-FT. LONG CUT, ADIT; SOME TRENCHING AND DRILLING WERE DONE ALONG PROJECTED STRIKE OF THE VEIN, EXPOSING OTHER SIMILAR BUT SMALLER VEINS.		
	-- Geology --		
Host Rock Age	**M10**		
Host Rock Type	**LT. OLIVE GRAY QUARTZ-LATITE FLOW**		
Igneous Rock Age	**M10**		
Igneous Rock Type	**LT. OLIVE-GRAY QUARTZ LATITE FLOW**		
Pertinent Minerals	QUARTZ		
Alteration	BLEACHING, MONTMORILLONITIC		
Reference	PAPKE, K.G., 1979, FLUORSPAR IN NEVADA; NBMG. BULL.93		
Reference	SCHRADER, F.C.,(1947) REPORT ON THE CARSON SINK AREA; U.S.G.S. OPEN FILE REPORT , P. 42.		

Mineral Resources Data System (MRDS)

Report Title	carson city project-mrds		
Record Number	**M233119** Tuesday, March 20, 1990	12:23:37	*Record* 22 of 47

Record Type	X1N	*Info Source*	1
Report Date	**81 07**		
Reporter	**LA POINTE, D. D.**		
Reporter Affiliation	**N.B.M.G.**		
Site Name	**HUCK SALT PLANT**		
	-- Location Information --		
District Name	**SAND SPRINGS DISTRICT**		
Country	**UNITED STATES**	*Country Code*	**US**
State	**NEVADA**	*State Code*	**NV**
County	**CHURCHILL**		
Physiographic Prov	12		
Drainage Area	16		
Land Status	49 (1972)		
Quadrangle 2	FOURMILE FLAT (1972)	*Scale*	24000
UTM Northing	4346900	*UTM Easting*	374500
UTM Zone	+11	*Elevation*	3895 FT
Latitude	**39-15-51N**	*Decimal Lat*	**39.26416**
Longitude	**118-27-17W**	*Decimal Long*	**-118.45472**
Accuracy	+-100M		
Township	016N;		
Section	12;		
Range	03UE;		
Sectional Fraction	NEAR CENTER		
Meridian	MOUNT DIABLO		
Position	25 MILES SE OF FALLON		
Location Comments	FOURMILE FLAT		
	-- Commodity Information --		
Commodities	**HAL**		
Major	**HAL**		
Ore Materials	HALITE		
	-- Exploration and Development --		
Production	**Small**	*Status*	**7**
		Year Last Production	1980
Owner	HUCK SLAT CO, ELMER & JOHN HUCKABY, PARTNERS, 895 HARRIGAN RD., FALLON, NV 89406 (1980)		
Operator	HUCK SALT CO, ELMER & JOHN HUCKABY, PARTNERS, 895 HARRIGAN RD., FALLON, NV 89406 (1980)		
Expl/Devl Comments	LISTED AS AN ACTIVE SURFACE SOLAR EVAPORATION OPERATION EMPLOYING 3 PERSONS IN 1980		
	-- Deposit Description --		
Deposit Type	**EVAPORITE, BRINES**		

Record Number	**M233119** *(....Continued)*
Deposit Form	BLANKET, SURFACE
Deposit Size	**Small**
	-- Workings Description --
Desc Workings	**Surface**
	-- Geology --
Host Rock Age	**RECENT**
Reference	STATE INSPECTOR OF MINES, 1981, DIRECTORY OF NEVADA MINE OPERATIONS ACTIVE DURING CALENDAR YEAR 1980.

Mineral Resources Data System (MRDS)

Report Title	carson city project-mrds		
Record Number	**M233122** Tuesday, March 20, 1990	12:25:06	*Record* 23 of 47

Record Type	X1N	*Info Source*	1
Report Date	**81 07**		
Reporter	**LA POINTE, D.D.**		
Reporter Affiliation	**NBMG**		
Site Name	**SECTION 17 MINE**		
	-- Location Information --		
District Name	**HAZEN AREA**		
Country	**UNITED STATES**	*Country Code*	**US**
State	**NEVADA**	*State Code*	**NV**
County	**CHURCHILL**		
Physiographic Prov	12		
Drainage Area	1L		
Land Status	00		
Quadrangle 2	TWO TIPS (1957)	*Scale*	62500
UTM Northing	4375500	*UTM Easting*	320500
UTM Zone	+11		
Latitude	**39-30-44N**	*Decimal Lat*	**39.51222**
Longitude	**119-05-17W**	*Decimal Long*	**-119.08805**
Accuracy	+-1000M. UTM IS TO CENTER OF SECTION. EXACT LOCATION WITHIN SECTION IS UNKNOWN		
Township	019;		
Section	17;		
Range	026E;		
Meridian	MOUNT DIABLO		
Position	ABOUT 4 MILES SW OF HAZEN		
Location Comments	EXACT LOCATION UNCERTAIN		
	-- Commodity Information --		
Commodities	**DIT**		
Major	**DIT**		
Ore Materials	DIATOMITE		
	-- Exploration and Development --		
Production	**Small**	*Status*	**5**
		Year Last Production	1980
Owner	CYPRUS MINES CORP., ALAN STANLYE, GEN'L MGR., P.O. BOX 4558 FERNELY, NV. 89408 (1980)		
Operator	CYPRUS MINES CORP., ALAN STANLEY, GEN'L MGR., P.O. BOX 455, FERNLEY, NV, 89408 (1980)		
Expl/Devl Comments	LISTED AS AN ACTIVE OPEN-PIT DIATOMITE MINE IN 1980, EMPLOYING 3 PERSONS		
	-- Deposit Description --		
Deposit Type	**SEDIMENTARY**		
Deposit Form	BLANKET		

Record Number	**M233122** *(....Continued)*
Deposit Size	**Small**
	-- Workings Description --
Desc Workings	**Surface**
Workings Comments	OPEN PIT
	-- Geology --
Host Rock Age	**LTERT**
Host Rock Type	**SEDIMENTS**
Reference	STATE INSPECTOR OF MINES, 1981, DIRECTORY OF NEVADA MINING OPERATIONS ACTIVE DURING CALENDAR YEAR 1980.

Mineral Resources Data System (MRDS)

Report Title	carson city project-mrds			
Record Number	**M233141**	Tuesday, March 20, 1990	12:33:40	*Record* 27 of 47

Record Type	X1N		
Report Date	**81 08**		
Reporter	**FLYNN PAT DODD**		
Reporter Affiliation	**NBMG**		
Site Name	**RHODES SALT MARSH**		
Synonym Name	VIRGINIA MARSH		
	-- Location Information --		
District Name	**RHODES SALT MARSH**		
Country	**UNITED STATES**	*Country Code*	**US**
State	**NEVADA**	*State Code*	**NV**
County	**MINERAL**		
Physiographic Prov	12 BASIN AND RANGE		
Drainage Area	16		
Land Status	49 (1972)		
Quadrangle	WALKER LAKE	*Scale*	250000
Quadrangle 2	SODAVILLE (196()	*Scale*	24000
UTM Northing	4238000	*UTM Easting*	406000
UTM Zone	+11		
Latitude	**38-17-13N**	*Decimal Lat*	**38.28694**
Longitude	**118-04-29W**	*Decimal Long*	**-118.07472**
Accuracy	UNKNOWN PRECISION		
Township	05N		
Section	10 14 15 16 21 22		
Range	35E		
Meridian	MOUNT DIABLO		
	-- Commodity Information --		
Commodities	**BRI**		
Major	**BRI**		
Ore Materials	SODIUM CHLORIDE, BORAX, SODIUM SULFATE; HALITE, ULEXITE, MIRABILITE, THENARDITE, POTASH, TRORA, GLAUBERITE.		
	-- Exploration and Development --		
Production	**Small**	*Status*	**8**
Expl/Devl Comments	FIRST WORKED IN 1860'S WHEN EXPLOITED FOR SALT WHICH WAS SHIPPED BY CAMEL TO VIRGINIA CITY FOR USE IN EXTRACTING SILVER AND GOLD FROM THE COMSTOCK ORES. IN 1870'S BORAX WAS DISCOVERED AND MUCH "COTTON BALL" (ULEXITE) WAS RECOVERED UNTIL DISCOVERY OF MORE EASILY RECOVERED DEPOSITS AT DEATH VALLEY. ALSO PROSPECTED FOR POTASH BUT CONTENT OF BRINES TOO LOW. IN LATE 1920'S AND EARLY 1930'S SODIUM SULFATE PRODUCED FROM MIRABILITE AND THERNARDITE.		

Record Number **M233141** *(....Continued)*

-- Deposit Description --

Deposit Type **EVAPORITE**
Deposit Size **Small**
Deposit Desc Comm SALINE PLAYA DEPOSIT

-- Workings Description --

Desc Workings **Surface**
Workings Comments SURFACE OPERATIONS

-- Geology --

Host Rock Age **QUAT**
Host Rock Type **PLAYA**
Formation PLAYA *Age* QUAT
Reference ROSS, D.C., 1961, GEOLOGY AND MINERAL DEPOSITS OF MINERAL COUNTY, NEVADA:
Reference VANDERBURG, W.O., RECONNAISSANCE OF MINING DEPOSITS IN MINERAL COUNTY, NEVADA: US BUR MINES INF. 6941, 79P.
Reference COUCH, BF, AND CARPENTER, J.A., 1943, NEVADA'S METAL AND MINERAL PRODUCTION (1859-1940, INCLUSIVE) NEVADA UNIV BULL., V. 37, NO. 4, GEOLOGY AND MINING SER. NO. 38.

-- Cumulative Production --

Item	Acc	Amount	Units	Years	Grade
B	EST	87.000	DOLLARS	1884-1888	
NA BRI	EST	113.000	DOLLARS	1932-1934	

Prod Source Info ROSS, D.C., 1961, TABLE 6.8
Prod Comments SALT PRODUCTION UNKNOWN. BORAX: 1884-1888, $87,000. SODIUM SULFATE: 1932-1934, $113,000.

Mineral Resources Data System (MRDS)

Report Title	carson city project-mrds			
Record Number	**M233148**	Tuesday, March 20, 1990	12:39:31	*Record* 28 of 47

Record Type	X1N		
Report Date	**81 06**		
Reporter	**ROYSE, SUE E.**		
Reporter Affiliation	**NBMG**		
Site Name	**UNNAMED GRAPHITE OCCURRENCE**		
	-- Location Information --		
District Name	**FITTING DISTRICT**		
Country	**UNITED STATES**	*Country Code*	**US**
State	**NEVADA**	*State Code*	**NV**
County	**MINERAL**		
Physiographic Prov	12 BASIN AND RANGE		
Drainage Area	16		
Land Status	49		
Quadrangle	WIN WAN FLAT (1979)		
Quadrangle 2	WIN WAN FLAT (1979)		
UTM Northing	4280400	*UTM Easting*	382700
UTM Zone	+11		
Latitude	**38-39-59N**	*Decimal Lat*	**38.66638**
Longitude	**118-20-54W**	*Decimal Long*	**-118.34833**
Accuracy	UNKNOWN PRECISION		
Township	09N		
Range	033E		
Meridian	MT DIABLO		
Position	WEST SIDE OF WINWAN FLAT; 26 MIS OF RAWHIDE		
Location Comments	MILS DATA PLACES MINE IN T06N, R33E, SEC. 08		
	-- Commodity Information --		
Commodities	**GRF**		
Ore Materials	GRAPHITE		
	-- Exploration and Development --		
Production	**No**	*Status*	**1**
Discoverer	J.A. KELLY OF RAWHIDE, NEVADA		
Year of Discovery	1916		
	-- Deposit Description --		
Deposit Type	**VEIN**		
Deposit Size	**Small**		
	-- Workings Description --		
Desc Workings	**Surface**		

Record Number	**M233148**	*(....Continued)*	
Workings Comments	SEVERAL OPEN CUTS, NOW CAVED		
	-- Geology --		
Host Rock Age	**CRET**		
Igneous Rock Age	**GRANITE**		
Formation	GRANITIC ROCKS	*Age*	CRET
Igneous Formation	GRANITIC ROCKS	*Age*	CRET
General Comm	UTM IS I 500 N TO APPROXIMATE PROBABLE LOCATION OF THIS OCCURRENCE		
Reference	ROSS, D.C., 1961, GEOLOGY AND MINERAL DEPOSITS OF MINERAL COUNTY, NEVADA; NBMG BULL, 58		
Reference	VANDERBURG, 1937, RECONNAISSANCE OF MINING DISTRICTS IN MINERAL COUNTY, VEVADA; USBM 1C 6941		

Mineral Resources Data System (MRDS)

Report Title	carson city project-mrds			
Record Number	**M233156**	Tuesday, March 20, 1990	12:42:44	*Record* 29 of 47

Record Type	X1N	*Info Source*	1
Report Date	**81 06**		
Reporter	**ROYSE, SUE E.**		
Reporter Affiliation	**NBMG**		
Site Name	**DOVER AND GREEN TALC MINES**		
Synonym Name	DONNELLY ANDALUSITE MINE		

-- Location Information --

District Name	**FITTING DISTRICT**		
Country	**UNITED STATES**	*Country Code*	**US**
State	**NEVADA**	*State Code*	**NV**
County	**MINERAL**		
Physiographic Prov	12 BASIN AND RANGE		
Drainage Area	16		
Land Status	49		
Quadrangle	WALKER LAKE	*Scale*	250000
Quadrangle 2	HAWTHORNE (1955)	*Scale*	62500
UTM Northing	4275300	*UTM Easting*	368350
UTM Zone	+11		
Latitude	**38-37-06N**	*Decimal Lat*	**38.61833**
Longitude	**118-30-44W**	*Decimal Long*	**-118.51222**
Accuracy	UNKNOWN PRECISION		
Township	009N		
Section	27?		
Range	031E		
Meridian	MT. DIABLO		
Position	5 MI. E OF THORNE		
Location Comments	LOCATION ESTIMATEION		

-- Commodity Information --

Commodities	**AL**
Major	**AL**
Ore Materials	ANDALUSITE; CORUNDUM

-- Exploration and Development --

Production	**Small**	*Status*	**6**
Discoverer	B. H. DONNELLY		
Year of Discovery	1929		
Owner	MRS. E. DONNELLY, J. STOCKTON, W. REA, AND E. REA; HAWTHORNE, NEV.		

-- Deposit Description --

Deposit Type	**REPLACEMENT**

Record Number	**M233156**	*(....Continued)*		
Maximum Length	400		*Units*	FT
Maximum Width	230		*Units*	FT
Deposit Size	**Small**			
Strike	E-W			

-- Workings Description --

Desc Workings	**Surface and Underground**			
Depth Below Surf	200		*Units*	FT
Workings Comments	200-FOOT VERTICAL SHAFT, OPEN CUTS, AND SURFACE TRENCHES.			

-- Geology --

Host Rock Age	**TRE**		
Host Rock Type	**META VOLCANIC ROCKS**		
Pertinent Minerals	QUARTZ, DIASPORE, HALLOYSITE, SERICITE, PYROPHYLLITE, PYRITE, HEMATITE, EPIDOTE		
Formation	EXCELSIOR	*Age*	TRI
Geology Comm	NEAR THE SHAFT THE ANDALUSITE ROCK IS COVERED WITH A MANTLE OF SURFACE DEBRIS AND CLAY UP TO 12 FEET THICK.		
Reference	ROSS, D. C., 1961, GEOLOGY AND MINERAL DEPOSITS OF MINERAL COUNTY, NEVADA; NBMG BULL. 58		
Reference	VANDERBURG, 1937, RECONNAISSANCE OF MINING DISTRICTS IN MINERAL COUNTY, NEVADA; USBM IC 6941		

-- Cumulative Production --

Item	Acc	Amount	Units	Years	Grade
AL	EST	0.45000	TONS	1929-1936	

Prod Source Info	VANDERBURG, 1937, P. 30
Prod Comments	PRODUCTION OF AT LEAST 450 TONS OF ANDALUSITE ROCK UP TO OCTOBER 1936

Mineral Resources Data System (MRDS)

Report Title	carson city project-mrds		
Record Number	**M233157** Tuesday, March 20, 1990	12:51:17	*Record* 30 of 47

Record Type	X1N	*Info Source*	1
Report Date	**81 06**		
Reporter	**ROYSE, SUE E.**		
Reporter Affiliation	**NBMG**		
Site Name	**DEEP MINES**		

-- Location Information --

District Name	**FITTING DISTRICT**		
Country	**UNITED STATES**	*Country Code*	**US**
State	**NEVADA**	*State Code*	**NV**
County	**MINERAL**		
Physiographic Prov	12 BASIN AND RANGE		
Drainage Area	16		
Land Status	50		
Quadrangle	WALKER LAKE	*Scale*	250000
Quadrangle 2	KINKAID	*Scale*	24000
UTM Northing	4267440	*UTM Easting*	370720
UTM Zone	+11		
Latitude	**38-32-52N**	*Decimal Lat*	**38.54777**
Longitude	**118-29-01W**	*Decimal Long*	**-118.48361**
Accuracy	UNKNOWN PRECISION		
Township	008N		
Section	24		
Range	031E		
Meridian	MT. DIABLO		

-- Commodity Information --

Commodities	**AL**
Ore Materials	ALUMINOUS MINERALS (KYANITE GROUP)

-- Exploration and Development --

Production	**No**	*Status*	1
		Nature of Disc	A

-- Deposit Description --

Deposit Type	**REPLACEMENT**		
Maximum Length	140	*Units*	FT
Maximum Width	110	*Units*	FT
Deposit Size	**Small**		
Deposit Desc Comm	QUARTZ-ALUMINA ROCK IN TWO AREAS; ONE IS 40 BY 40 FEET, THE OTHER IS 140 BY 110 FEET		

-- Workings Description --

Record Number **M233157** *(....Continued)*

Desc Workings **Surface**

Workings Comments TRENCHES AND PITS

-- Geology --

Host Rock Age **TRI**

Host Rock Type **METAVOLCANIC ROCK**

Pertinent Minerals QUARTZ

Formation EXCELSIOR *Age* TRI

Reference ROSS, D. C., 1961, GEOLOGY AND MINERAL DEPOSITS OF MINERAL COUNTY, NEVADA; NBMG BULL 58

Mineral Resources Data System (MRDS)

Report Title	carson city project-mrds			
Record Number	**M233158**	Tuesday, March 20, 1990	12:53:47	*Record* 31 of 47

Record Type	X1N	*Info Source*	1
Report Date	**81 06**		
Reporter	**ROYSE, SUE E.**		
Reporter Affiliation	**NBMG**		
Site Name	**CHIATOVICH GROUP**		
Synonym Name	WALKER LAKE MONTMORILLONITE DEPOSIT		

-- Location Information --

District Name	**FITTING DISTRICT**		
Country	**UNITED STATES**	*Country Code*	**US**
State	**NEVADA**	*State Code*	**NV**
County	**MINERAL**		
Physiographic Prov	12 BASIN AND RANGE		
Drainage Area	16		
Land Status	49		
Quadrangle	WALKER LAKE	*Scale*	250000
Quadrangle 2	HAWTHORNE (1955)	*Scale*	62500
UTM Northing	4277920	*UTM Easting*	361120
UTM Zone	+11		
Latitude	**38-38-27N**	*Decimal Lat*	**38.64083**
Longitude	**118-35-45W**	*Decimal Long*	**-118.59583**
Accuracy	UNKNOWN PRECISION		
Township	009N		
Section	14		
Range	030E		
Meridian	MT. DIABLO		
Position	9 1/2 MI. N OF HAWTHORNE		
Location Comments	IN FOOTHILLS OF GILLIS RANGE; E 1/2 SEC. 14		

-- Commodity Information --

Commodities	**CLY1**
Major	**CLY1**
Ore Materials	MONTMORILLONITE

-- Exploration and Development --

Production	**Small**	*Status*	**4**
		Nature of Disc	A
Owner	KEITH MONTGOMERY, HAWTHORNE, NEVADA		
Expl/Devl Comments	PREVIOUSLY OWNED BY MARTIN N. CHIATOVICH. IN 1936 THE DEPOSIT WAS WORKED ON A ROYALTY BASIS BY THE NAVAL AMMUNITION DEPOT AT HAWTHORNE.		

-- Deposit Description --

Record Number **M233158** *(....Continued)*

Deposit Type **BEDDED**
Maximum Length AT LEAST 200 *Units* FT
Maximum Thickness AT LEAST 20 *Units* FT
Deposit Size **Small**
Dip **35-45SW**
Deposit Desc Comm BENTONITE OUTCROPS IN PLACES OVER AN AREA AT LEAST 2,000 FEET LONG AND SEVERAL HUNDRED FEET WIDE. PORTIONS OF DEPOSIT ARE COVERED WITH IRON-STAINED SOIL TO A DEPTH OF 3 FEET OR MORE. COMMERCIAL MONTMORILLONITE EXPOSED IN 3 PITS AND ONE NATURAL OUTCROP.

-- Workings Description --

Desc Workings **Surface**
Workings Comments BULLDOZER SCRAPINGS AND PITS.

-- Geology --

Host Rock Age **TERT**
Host Rock Type **CLAYS, SILTSTONE**
Pertinent Minerals NONTRONITE, CHLORITE; IMPURITIES-QUARTZ, CRISTOBARITE, PLAGIOCLASE, K-FELDSPAR; CALCITE, GYPSUM
Local Structure SERIES OF FAULTS
Formation ESMERALDA *Age* TERT
Geology Comm OLDEST NAP UNIT IS A SILTY MONTMORILLONITE COLORED FROM VARIOUS SHADES OF GRAY, YELLOWISH-GRAY, TO BROWNISH GRAY. THE OVERLYING UNIT IS A GRAYISH-ORANGE, ALTERED MATERIAL THAT IS MAINLY GYPSUM, CRISTOBALITE AND OPAL. ALTHOUGH THE ORIGINAL ROCK TYPE IS NOT EVIDENT, IT PROBABLY WAS A TUFFACEOUS ROCK. IMPURITIES IN THE MONTMORILLONITE DEPOSIT INCLUDE CRISTOBALITE, PLAGIOCLASE, QUARTZ, K-FELDSPAR, CALCITE AND GYPSUM. A SERIES OF FAULTS WITH DIVERSE STRIKES AND LOW- TO HIGH-ANGLE DIPS USUALLY FORM THE CONTACT BETWEEN THE MONTMORILLONITE AND THE SILTSTONE. MOST OF THE FAULTS HAVE APPARENT MOVEMENTS OF LESS THAN 3 OF 4 FEET; A FEW HAVE DISPLACED 15 FEET OR MORE.
Reference ROSS, D. C., 1961, GEOLOGY AND MINERAL DEPOSITS IN MINERAL COUNTY, NEVADA; NBMG BULL. 58
Reference VANDERBURG, 1937, RECONNAISSANCE OF MINING DISTRICTS IN MINERAL COUNTY, NEVADA; USBM IC 6941
Reference PAPKE, K., 1970, MONTMORILLONITE, BENTONITE, AND FULLER'S EARTH DEPOSITS IN NEVADA; NBMG BULL. 76

-- Cumulative Production --

Item	Acc	Amount	Units	Years	Grade
CLYI	EST	0.00400	TONS	1930'S	

Prod Source Info ROSS, D. C., 1961, TABLE 6.2

Mineral Resources Data System (MRDS)

Report Title	carson city project-mrds		
Record Number	**M233161** Tuesday, March 20, 1990	13:00:48	*Record* 32 of 47

Record Type	X1N	*Info Source*	1
Report Date	81 06		
Reporter	**ROYSE, SUE E.**		
Reporter Affiliation	**NBMG**		
Site Name	**BISMARK PROSPECT**		
	-- Location Information --		
District Name	**FITTING DISTRICT**		
Country	**UNITED STATES**	*Country Code*	**US**
State	**NEVADA**	*State Code*	**NV**
County	**MINERAL**		
Physiographic Prov	12 BASIN AND RANGE		
Land Status	49		
Quadrangle	WALKER LAKE	*Scale*	250000
Quadrangle 2	KINKAID (1979)	*Scale*	24000
UTM Northing	4270100	*UTM Easting*	376450
UTM Zone	+11		
Latitude	**38-34-21N**	*Decimal Lat*	**38.5725**
Longitude	**118-25-06W**	*Decimal Long*	**-118.41833**
Accuracy	UNKNOWN PRECISION		
Township	008N		
Section	09		
Range	032E		
Meridian	MT. DIABLO		
Location Comments	LOCATION ESTIMATED		
	-- Commodity Information --		
Commodities	**AL**		
		Occurring	**AL**
	-- Exploration and Development --		
		Status	**2**
		Nature of Disc	A
	-- Deposit Description --		
Deposit Type	**REPLACEMENT**		
Maximum Length	180	*Units*	FT
Maximum Width	40	*Units*	FT
Deposit Size	**Small**		
Deposit Desc Comm	QUARTZ-ALUMINA ROCK REPLACING METAVOLCANIC ROCK IN TWO MASSES; ONE 140 BY 180 FEET, AND ANOTHER 140 BY 40 FEET IN OUTCROP AREA.		

Mineral Resources Data System (MRDS)

Record Number	**M233161** *(....Continued)*		
	-- Workings Description --		
Desc Workings	**Surface**		
	-- Geology --		
Host Rock Age	**TRI**		
Host Rock Type	**METAVOLCANICS**		
Formation	EXCELSIOR	*Age*	TRI
Reference	ROSS, D. C., 1961, GEOLOGY AND MINERAL DEPOSITS OF MINERAL COUNTY, NEVADA; NBMG BULL. 58		

Mineral Resources Data System (MRDS)

Report Title carson city project-mrds

Record Number **M233171** Tuesday, March 20, 1990 13:06:20 *Record* 33 of 47

Record Type	X1N	*Info Source*	1
Report Date	**81 05**		
Reporter	**ROYSE, SUE E.**		
Reporter Affiliation	**NBMG**		
Site Name	**KENYON CLAIMS (?)**		

-- Location Information --

District Name	**REGENT DISTRICT**		
Country	**UNITED STATES**	*Country Code*	**US**
State	**NEVADA**	*State Code*	**NV**
County	**MINERAL**		
Physiographic Prov	12 BASIN AND RANGE		
Drainage Area	16		
Land Status	49		
Quadrangle	MURPHYS WELL (1980)	*Scale*	24000
Quadrangle 2	WALKER LAKE (1955)		
UTM Northing	4317100	*UTM Easting*	389360
UTM Zone	+11		
Latitude	**38-59-52N**	*Decimal Lat*	**38.99777**
Longitude	**118-16-39W**	*Decimal Long*	**-118.2775**
Accuracy	UNKNOWN PRECISION		
Township	013N		
Range	033E		
Meridian	MT. DIABLO		

-- Commodity Information --

Commodities	**QTZ**
Ore Materials	QUARTZ

-- Exploration and Development --

		Status	**2**
		Nature of Disc	B
Owner	TOM KENYON, IRA KENYON, FALLON, NEV. (1943)		

-- Deposit Description --

Deposit Type	**VEIN**		
Maximum Width	4	*Units*	FT
Deposit Size	**Small**		

Deposit Desc Comm QUARTZ VEIN NO MORE THAN 4 FEET THICK WITH CRYSTALS AS MUCH AS 6 INCHES BY 12 INCHES; SOME SMALLER FRAGMENTS ARE OF OPTICAL QUALITY. VEIN NEARLY PARALLELS THE SURFACE.

-- Workings Description --

Mineral Resources Data System (MRDS)

Record Number	M233171 (....Continued)
Desc Workings	**Surface**
Workings Comments	NUMEROUS PROSPECT PITS HAVE BEEN DUG THROUGH QUARTZ VEIN TO PROSPECT UNDERLYING GARNET EPIDOTE TACTITE FOR SCHEELITE.
	-- Geology --
Host Rock Type	?
Formation	EXCELSIO?
Reference	ROSS, D. C., 1961, GEOLOGY AND MINERAL DEPOSITS OF MINERAL COUNTY, NEVADA; NBMG BULL. 58

Mineral Resources Data System (MRDS)

Report Title	carson city project-mrds		
Record Number	**M233211** Tuesday, March 20, 1990	13:12:41	*Record* 34 of 47

Record Type	X1N	*Info Source*	1
Report Date	**81 04**		
Reporter	**ROYSE, SUE E.**		
Reporter Affiliation	**NBMG**		
Site Name	**MALATESTA CLAIMS**		
	-- Location Information --		
District Name	**HAWTHORNE DISTRICT**		
Country	**UNITED STATES**	*Country Code*	**US**
State	**NEVADA**	*State Code*	**NV**
County	**MINERAL**		
Physiographic Prov	12 BASIN AND RANGE		
Drainage Area	16		
Land Status	49		
Quadrangle	WALKER LAKE	*Scale*	250000
Quadrangle 2	PAMLICO (1967)	*Scale*	24000
UTM Northing	4261500	*UTM Easting*	372920
UTM Zone	+11		
Latitude	**38-29-41N**	*Decimal Lat*	**38.49472**
Longitude	**118-27-26W**	*Decimal Long*	**-118.45722**
Accuracy	UNKNOWN PRECISION		
Township	007N		
Section	06?		
Range	032E		
Meridian	MT. DIABLO		
Location Comments	LOCATION UNCERTAIN, UTM APPROXIMATE		
	-- Commodity Information --		
Commodities	**QTZ**		
Ore Materials	QUARTZ		
	-- Exploration and Development --		
		Status	**2**
		Nature of Disc	A
Owner	JOE MALATESTA, HYMAN WERNER, G. A. PETERSON (1943)		
	-- Deposit Description --		
Deposit Type	**VEINS**		
Maximum Width	2	*Units*	FT
Deposit Size	**Small**		
Deposit Desc Comm	QUARTZ VEINS FROM SEVERAL INCHES TO 2 FEET THICK		

-- Workings Description --

Desc Workings **Surface**

Workings Comments NUMEROUS PROSPECT PITS

-- Geology --

Host Rock Age **TRI**

Host Rock Type **LIMESTONE**

Igneous Rock Age **CRET**

Igneous Rock Type **GRANITIC ROCKS**

Pertinent Minerals QUARTZ

Formation LUNING FORMATION *Age* TRI

Igneous Formation GRANITIC ROCKS *Age* CRET

Geology Comm QUARTZ VEINS CUT A SHEAR ZONE ALONG A CONTACT BETWEEN GRANITIC ROCKS AND LIMESTONE. LARGEST QUARTZ CRYSTALS ARE 3 INCHES BY 8 INCHES.

Reference ROSS, D. C., 1961, GEOLOGY AND MINERAL DEPOSITS OF MINERAL COUNTY, NEVADA; NBMG BULL. 58

Mineral Resources Data System (MRDS)

Report Title	carson city project-mrds			
Record Number	**M233501**	Tuesday, March 20, 1990	13:19:32	*Record* 35 of 47

Record Type	X1N	*Info Source*	12
Report Date	**82 05**		
Reporter	**LA POINTE, D. D.**		
Reporter Affiliation	**NBMG**		
Site Name	**DIATOMITE PROSPECT**		

-- Location Information --

District Name	**ATHENS DISTRICT**		
Country	**UNITED STATES**	*Country Code*	**US**
State	**NEVADA**	*State Code*	**NV**
County	**NYE**		
Physiographic Prov	12		
Drainage Area	16060003		
Land Status	49 (1972)		
Quadrangle	TONOPAH	*Scale*	250000
Quadrangle 2	SIMON (1979)	*Scale*	24000
UTM Northing	4273030	*UTM Easting*	428670
UTM Zone	+11	*Elevation*	6280 FT
Latitude	**38-36-17N**	*Decimal Lat*	**38.60472**
Longitude	**117-49-09W**	*Decimal Long*	**-117.81916**
Accuracy	500M		
Township	009N		
Section	33 (?) UNSURVEYED		
Range	037E		
Meridian	MOUNT DIABLO		
Position	ABOUT 1.0 AIRMILE S40E FROM THE WARRIOR MINE		

-- Commodity Information --

Commodities	**DIT**
Non-Prod Main	**DIT**
Ore Materials	DIATOMITE

-- Exploration and Development --

		Status	**2**

-- Deposit Description --

Deposit Type	**SEDIMENTARY**
Deposit Form	BLANKET; LENSES
Deposit Size	**Small**

-- Workings Description --

Desc Workings	**Surface**

Workings Comments PITS

-- Geology --

Host Rock Age **LMIO-PLIO 10-16 M.Y.**

Host Rock Type **LACUSTRINE SHALES, MUDSTONES, SANDSTONES, TUFFS**

Formation ESMERALDA *Age* LMIO-PLIO

Reference KLEINHAMPL, F.J. AND ZIONY, J.I., GEOLOGY AND MINERAL DEPOSITS OF NORTHERN NYE COUNTY: NBMG BULL (IN PRESS)

Mineral Resources Data System (MRDS)

Report Title	carson city project-mrds			
Record Number	**M233624**	Tuesday, March 20, 1990	13:24:46	*Record* 36 of 47

Record Type	X1N	*Info Source*	2
Report Date	**82 05**		
Reporter	**LA POINTE, D. D.**		
Reporter Affiliation	**NBMG**		
Site Name	**ARAGONITE PROPERTY**		
Synonym Name	TRAVERTINE QUARRY		

-- Location Information --

District Name	**REPUBLIC DISTRICT**		
Country	**UNITED STATES**	*Country Code*	**US**
State	**NEVADA**	*State Code*	**NV**
County	**NYE**		
Physiographic Prov	12		
Drainage Area	16060003		
Land Status	49 (1972)		
Quadrangle	TONOPAH	*Scale*	250000
Quadrangle 2	BLACK SPRING (1980)	*Scale*	24000
UTM Northing	4261980	*UTM Easting*	444870
UTM Zone	+11	*Elevation*	5900 FT
Latitude	**38-30-23N**	*Decimal Lat*	**38.50638**
Longitude	**117-37-56W**	*Decimal Long*	**-117.63222**
Accuracy	200M		
Township	008N		
Section	31		
Range	039E		
Sectional Fraction	SE, 31		
Meridian	MOUNT DIABLO		
Position	ABOUT 3.9 AIRMILES S20E FROM BLACK SPRING		
Location Comments	IN ROYSTON HILLS; EXACT LOCATION UNCERTAIN; ESTIMATED FROM KLEINHAMPL'S PLATE 2.		

-- Commodity Information --

Commodities	**STN2**
Major	**STN2**
Ore Materials	TRAVERTINE
Commod Comments	QUARRIED MATERIAL WAS BEING CUT AND POLISHED FOR TABLETOPS AND SIMILAR PRODUCTS

-- Exploration and Development --

Production	**Small**	*Status*	**7**
Year of Discovery	POST-1951?	*Nature of Disc*	B
Owner	ED CONNOLLY OF RENO (1960'S)		
Operator	ED CONNOLLY OF RENO (1960'S)		
Expl/Devl Comments	DEPOSIT WAS BEING QUARRIED IN 1965		

Mineral Resources Data System (MRDS)

-- Deposit Description --

Deposit Type	**SEDIMENTARY**		
Deposit Form	IRREGULAR		
Maximum Length	400	*Units*	FT
Maximum Width	150	*Units*	FT
Deposit Size	**Small**		
		Dip	STEEPLY WEST
Deposit Desc Comm	PURE WHITE MAMMILLARY CRUSTIFICATIONS ON EAST WALL OF AN ANDESITE DIKE		

-- Workings Description --

Desc Workings	**Surface**
Workings Comments	QUARRY

-- Geology --

Host Rock Age	**TRI**		
Host Rock Type	**LIMESTONE**		
Igneous Rock Type	**ANDESITE DIKE**		
Formation	LUNING	*Age*	TRI
Reference	KLEINHAMPL, F.J. AND ZIONY, J.I., (IN PRESS) GEOLOGY AND MINERAL DEPOSITS OF NORTHERN NYE COUNTY: NBMG BULL.		

Mineral Resources Data System (MRDS)

Report Title	carson city project-mrds		
Record Number	**M233625** Tuesday, March 20, 1990	13:31:04	*Record* 37 of 47

Record Type	X1N	*Info Source*	21
Report Date	**82 05**		
Reporter	**LA POINTE, D. D.**		
Reporter Affiliation	**NBMG**		
Site Name	**DIATOMITE PROSPECT**		

-- Location Information --

District Name	**REPUBLIC DISTRICT**		
Country	**UNITED STATES**	*Country Code*	**US**
State	**NEVADA**	*State Code*	**NV**
County	**NYE**		
Physiographic Prov	12		
Drainage Area	16060003		
Land Status	49 (1972)		
Quadrangle	TONOPAH	*Scale*	250000
Quadrangle 2	SIMON (1979)	*Scale*	24000
UTM Northing	4265520	*UTM Easting*	434420
UTM Zone	+11	*Elevation*	6375 FT
Latitude	**38-32-15N**	*Decimal Lat*	**38.5375**
Longitude	**117-45-09W**	*Decimal Long*	**-117.7525**
Accuracy	300M		
Township	008N		
Section	19		
Range	038E		
Sectional Fraction	SW, 19.		
Meridian	MOUNT DIABLO		
Position	ABOUT 1.1 MILE S82E FROM CEDAR SPRING		

-- Commodity Information --

Commodities	**DIT**
Non-Prod Main	**DIT**
Ore Materials	DIATOMITE

-- Exploration and Development --

		Status	**2**

-- Deposit Description --

Deposit Type	**SEDIMENTARY**
Deposit Form	BLANKET, LENSES
Deposit Size	**Small**

-- Workings Description --

Desc Workings **Surface**
Workings Comments PITS

-- Geology --
Host Rock Age **LMIO-PLIO 10-16 MY**
Host Rock Type **LACUSTRINE SEQUENCES OF SILICEOUS, TUFFACEOUS, OR DIATOMACEOUS SHALES, MUDSTONE, SANDSTONE, TUFF**
Formation ESMERALDA *Age* LMIO-PLIO
Reference KLEINHAMPL, F.J. AND ZIONY, J.I., IN PRESS, GEOLOGY AND MINERAL DEPOSITS OF NORTHERN NYE COUNTY; NBMG BULL. (COMMODITIES SECTION ON DIATOMITE)
Reference OLSON, 1964, IN NBMG BULL 65, P. 191.

Mineral Resources Data System (MRDS)

Report Title	carson city project-mrds			
Record Number	**M233626**	Tuesday, March 20, 1990	13:38:46	*Record* 38 of 47

Record Type	X1N	*Info Source*	21
Report Date	**82 05**		
Reporter	**LA POINTE, D. D.**		
Reporter Affiliation	**NBMG**		
Site Name	**DIATOMITE OR SILICA PROSPECT**		
	-- Location Information --		
District Name	**REPUBLIC DISTRICT**		
Country	**UNITED STATES**	*Country Code*	**US**
State	**NEVADA**	*State Code*	**NV**
County	**NYE**		
Physiographic Prov	12		
Drainage Area	16060003		
Land Status	49 (1972)		
Quadrangle	TONOPAH	*Scale*	250000
Quadrangle 2	BLACKSPRING (1980)	*Scale*	24000
UTM Northing	4270600	*UTM Easting*	438840
UTM Zone	+11	*Elevation*	5720 FT
Latitude	**38-35-01N**	*Decimal Lat*	**38.58361**
Longitude	**117-42-08W**	*Decimal Long*	**-117.70222**
Accuracy	200M		
Township	008N		
Section	04		
Range	038E		
Sectional Fraction	SE, 04		
Meridian	MOUNT DIABLO		
Position	ABOUT 2.9 MILES N55W FROM BLACK SPRING		
Location Comments	EDGE OF IONE VALLEY.		
	-- Commodity Information --		
Commodities	**DIT SIL**		
Non-Prod Main	**DIT SIL**		
Ore Materials	DIATOMITE; PORCELANEOUS SILICA OR OPAL		
	-- Exploration and Development --		
		Status	**2**
Expl/Devl Comments	EXPLORED FOR DIATOMITE OR OPAL		
	-- Deposit Description --		
Deposit Type	**SEDIMENTARY**		
Deposit Form	BLANKET		
Deposit Size	**Small**		

Mineral Resources Data System (MRDS)

-- Workings Description --

Desc Workings **Surface**

Workings Comments PIT

-- Geology --

Host Rock Age **LMIO-PLIO**

Host Rock Type **DIATOMITE; LACUSTRINE DEPOSITS**

Alteration DIATOMITE HAS BEEN DIAGENETICALLY ALTERED TO PORCELANEOUS SILICA OR OPAL.

Formation ESMERALDA *Age* LMIO-PLIO

Reference KLEINHAMPL, F.J. AND ZIONY, J.I., (IN PRESS), GEOLOGY AND MINERAL DEPOSITS OF NORTHERN NYE COUNTY, NEVADA: NBMG BULL. (COMMODITIES SECTION ON DIATOMITE)

Reference OLSON, 1964, IN NBMG BULL. 65, P. 191.

Mineral Resources Data System (MRDS)

Report Title	carson city project-mrds			
Record Number	**M234041**	Tuesday, March 20, 1990	14:22:54	*Record* 46 of 47

Record Type	X1N		
Report Date	**81 07**		
Reporter	**LA POINTE, D. D.**		
Reporter Affiliation	**NBMG**		
Site Name	**MIDDLEGATE CLAY**		
	-- Location Information --		
District Name	**EASTGATE DISTRICT**		
Country	**UNITED STATES**	*Country Code*	**US**
State	**NEVADA**	*State Code*	**NV**
County	**CHURCHILL**		
Physiographic Prov	12 BASIN AND RANGE		
Drainage Area	16 GREAT BASIN		
Land Status	49 (1972)		
Quadrangle	EASTGATE, (1969)	*Scale*	24000
UTM Northing	4353000	*UTM Easting*	416300
UTM Zone	+11		
Latitude	**39-19-27N**	*Decimal Lat*	**39.32416**
Longitude	**117-58-16W**	*Decimal Long*	**-117.97111**
Accuracy	+/- 750 M		
Township	017N		
Section	19		
Range	036E		
Position	1 1/2-2 1/2 MILES NNE OF MIDDLEGATE		
Location Comments	UNCERTAIN OF EXACT LOCATION		
	-- Commodity Information --		
Commodities	**CLY**		
Non-Prod Main	**CLY**		
Ore Materials	CLAY		
	-- Exploration and Development --		
		Status	**2**
	-- Deposit Description --		
Deposit Type	**INSUFFICENT DATA TO CLASSIFY**		
Deposit Size	**Small**		
	-- Workings Description --		
Desc Workings	**Surface**		
	-- Geology --		

Record Number	**M234041**	*(....Continued)*
General Comm	MILS LOCATION ONLY; NO REIERENCE TO THIS DEPOSIT IN LITERATURE	
Reference	MILS, 1979, USBM	

Mineral Resources Data System (MRDS)

Report Title	carson city project-mrds			
Record Number	**M234043**	Tuesday, March 20, 1990	14:27:49	*Record* 47 of 47

Record Type	X1N	*Info Source*	1
Report Date	**81 07**		
Reporter	**LA POINTE, D. D.**		
Reporter Affiliation	**NBMG**		
Site Name	**ZE O BRAS CLAIMS**		

-- Location Information --

District Name	**EASTGATE DISTRICT**		
Country	**UNITED STATES**	*Country Code*	**US**
State	**NEVADA**	*State Code*	**NV**
County	**CHURCHILL**		
Physiographic Prov	12		
Drainage Area	16		
Land Status	49 (1972)		
Quadrangle	EASTGATE (1969)	*Scale*	24000
UTM Northing	4348400	*UTM Easting*	419200
UTM Zone	+11	*Elevation*	05000 FT
Latitude	**39-16-59N**	*Decimal Lat*	**39.28305**
Longitude	**117-56-13W**	*Decimal Long*	**-117.93694**
Accuracy	+/- 500 M		
Township	016N		
Section	04		
Range	036E		
Meridian	MOUNT DIABLO		
Position	4 MILES WSW OF EASTGATE		
Location Comments	SOUTHERN END OF EASTGATE ZEOLITE DEPOSIT CUNCERTAIN OF EXACT LOCATION)		

-- Commodity Information --

Commodities	**ZEO**
Non-Prod Main	**ZEO**

-- Exploration and Development --

		Status	**2**

-- Deposit Description --

Deposit Type	**OTHER; LACUSTRINE SEDIMENTS**
Deposit Size	**Small**

-- Workings Description --

Desc Workings	**Surface**

-- Geology --

Record Number	**M234043**	*(....Continued)*
Host Rock Age	**PLIO**	
Host Rock Type	**LACUSTRINE SEDIMENTS, TUFFS**	
Reference	MILS, 1979, USBM.	
Reference	PAPKE, K.G., 1972, ERIONITE AND OTHER ASSOCIATED ZEOLITES IN NEVADA; NBM.G. BULL. 79.	